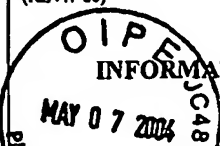


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| FORM PTO-1449<br>(REV. 7-80)   | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br>501193.01              | APPLICATION NO.<br>10/601,252 |
|  <b>INFORMATION DISCLOSURE STATEMENT</b><br><i>(Use several sheets if necessary)</i> |  | APPLICANT(S)<br><b>Terry R. Lee et al.</b> |                               |
|  |  | FILING DATE<br>June 20, 2003               | GROUP ART UNIT<br>2818        |

**U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE     | NAME           | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|----|-----------------|----------|----------------|-------|----------|-------------------------------|
| PB                   | AA | 6,462,978 B2    | 10/08/02 | Shibata et al. | 365   | 63       |                               |
|                      | AB |                 |          |                |       |          |                               |
|                      | AC |                 |          |                |       |          |                               |
|                      | AD |                 |          |                |       |          |                               |
|                      | AE |                 |          |                |       |          |                               |
|                      | AF |                 |          |                |       |          |                               |
|                      | AG |                 |          |                |       |          |                               |
|                      | AH |                 |          |                |       |          |                               |
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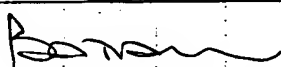
**FOREIGN PATENT DOCUMENTS**

|  |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|------|---------|-------|----------|-------------|----|
|  |    |                 |      |         |       |          | YES         | NO |
|  | AK |                 |      |         |       |          |             |    |

**OTHER PRIOR ART** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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|  | AP |  |
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FORM PTO-1449  
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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
501193.01APPLICATION NO.  
10/601,252

## INFORMATION DISCLOSURE STATEMENT

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APPLICANT(S)

Terry R. Lee et al.

FILING DATE

June 20, 2003

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2818

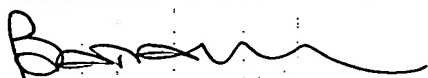
## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|----|-----------------|----------|------------------|-------|----------|-------------------------------|
| PB                   | AA | 5,544,319       | 08/06/96 | Acton et al.     | 395   | 200.07   |                               |
| PB                   | AB | 5,822,255       | 10/13/98 | Uchida           | 365   | 194      |                               |
| PB                   | AC | 5,875,454       | 02/23/99 | Craft et al.     | 711   | 113      |                               |
| PB                   | AD | 6,033,951       | 03/07/00 | Chao             | 438   | 253      |                               |
| PB                   | AE | 6,079,008       | 06/20/00 | Clery, III       | 712   | 11       |                               |
| PB                   | AF | 6,186,400 B1    | 02/13/01 | Dvorkis et al.   | 235   | 462.45   |                               |
| PB                   | AG | 6,243,831 B1    | 06/05/01 | Mustafa et al.   | 714   | 24       |                               |
| PB                   | AH | 6,256,692 B1    | 07/03/01 | Yoda et al.      | 710   | 104      |                               |
| PB                   | AI | 6,392,653 B1    | 05/21/02 | Malandain et al. | 345   | 501      |                               |
| PB                   | AJ | 6,438,668 B1    | 08/20/02 | Esfahani et al.  | 711   | 165      |                               |
| PB                   | AK | 6,636,110 B1    | 10/21/03 | Ooishi et al.    | 327   | 565      |                               |
| PB                   | AL | 6,681,292 B2    | 01/20/04 | Creta et al.     | 711   | 119      |                               |
|                      | AM |                 |          |                  |       |          |                               |
|                      | AN |                 |          |                  |       |          |                               |
|                      | AO |                 |          |                  |       |          |                               |
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|                      | AQ |                 |          |                  |       |          |                               |
|                      | AR |                 |          |                  |       |          |                               |
|                      | AS |                 |          |                  |       |          |                               |
|                      | AT |                 |          |                  |       |          |                               |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |    |   |
|----|----|---|
| PB | AU | "Free On-Line Dictionary of Computing" entry 'Flash Erasable Programmable Read-Only Memory, online May 17, 2004 [http://foldoc.doc.ic.ac.uk/foldoc/foldoc.cgi?flash+memory] |
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|----------------------|----|-----------------|----------|----------------|-------|----------|-------------------------------|
| PB                   | AA | 5,818,844       | 10/06/98 | Singh et al.   | 370   | 463      |                               |
| PB                   | AB | 6,272,609       | 08/07/01 | Jeddeloh       | 711   | 169      |                               |
| PB                   | AC | 6,477,592       | 11/05/02 | Chen et al.    | 710   | 52       |                               |
| PB                   | AD | 6,523,092       | 02/18/03 | Fanning        | 711   | 134      |                               |
| PB                   | AE | 6,523,093       | 02/18/03 | Bogin et al.   | 711   | 137      |                               |
| PB                   | AF | 6,622,227       | 09/16/03 | Zumkehr et al. | 711   | 167      |                               |
| PB                   | AG | 6,631,440       | 10/07/03 | Jenne et al.   | 711   | 105      |                               |
| PB                   | AH | 2002/0144064    | 10/03/02 | Fanning        | 711   | 144      |                               |
| PB                   | AI | 2003/0005223    | 01/02/03 | Coulson et al. | 711   | 118      |                               |
| PB                   | AJ | 2003/0229770    | 12/11/03 | Jeddeloh       | 711   | 213      |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|------|---------|-------|----------|-------------|----|
|  |    |                 |      |         |       |          | YES         | NO |
|  | AK |                 |      |         |       |          |             |    |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |    |  |
|----|----|--|
| PB | AP | Intel, "Intel 840 Chipset: 82840 Memory Controller Hub (MCH)", Datasheet, October 1999, pp. 1-178. |
|----|----|--|

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| EXAMINER |  | DATE CONSIDERED | 11/6/05 |
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## INFORMATION DISCLOSURE STATEMENT

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APPLICANT(S)

Terry R. Lee et al.

FILING DATE

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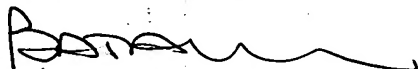
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## U.S. PATENT DOCUMENTS

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|----------------------|----|-----------------|----------|-----------------|-------|----------|-------------------------------|
| PB                   | AA | 6,067,262       | 05/23/00 | Irrinki et al.  | 365   | 201      |                               |
| PB                   | AB | 6,246,618 B1    | 06/12/01 | Yamamoto et al. | 365   | 200      |                               |
| PB                   | AC | 6,590,816 B2    | 07/08/03 | Perner          | 365   | 200      |                               |
| PB                   | AD | 2003/0043426 A1 | 03/06/03 | Baker et al.    | 359   | 109      |                               |
|                      | AE |                 |          |                 |       |          |                               |
|                      | AF |                 |          |                 |       |          |                               |
|                      | AG |                 |          |                 |       |          |                               |
|                      | AH |                 |          |                 |       |          |                               |
|                      | AI |                 |          |                 |       |          |                               |
|                      | AJ |                 |          |                 |       |          |                               |
|                      | AK |                 |          |                 |       |          |                               |
|                      | AL |                 |          |                 |       |          |                               |
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|                      | AN |                 |          |                 |       |          |                               |
|                      | AO |                 |          |                 |       |          |                               |
|                      | AP |                 |          |                 |       |          |                               |
|                      | AQ |                 |          |                 |       |          |                               |
|                      | AR |                 |          |                 |       |          |                               |
|                      | AS |                 |          |                 |       |          |                               |
|                      | AT |                 |          |                 |       |          |                               |
|                      | AU |                 |          |                 |       |          |                               |
|                      | AV |                 |          |                 |       |          |                               |
|                      | AW |                 |          |                 |       |          |                               |
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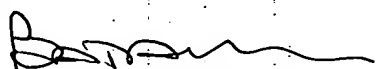
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| FORM PTO-1449<br>(REV. 7-80)   | <b>OCT 23 2003</b><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br><b>501193.01</b>       | APPLICATION NO.<br><b>10/601,252</b> |
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|  |  | FILING DATE<br><b>June 20, 2003</b>        | GROUP ART UNIT<br><b>2818</b>        |

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE     | NAME               | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|----|-----------------|----------|--------------------|-------|----------|-------------------------------|
| PB                   | AA | 5,251,303       | 10/05/93 | Fogg, Jr. et al.   | 395   | 275      |                               |
| PB                   | AB | 5,432,907       | 07/11/95 | Picazo, Jr. et al. | 395   | 200      |                               |
| PB                   | AC | 5,442,770       | 08/15/95 | Barratt            | 395   | 403      |                               |
| PB                   | AD | 5,497,476       | 03/05/96 | Oldfield et al.    | 395   | 439      |                               |
| PB                   | AE | 5,659,798       | 08/19/97 | Blumrich et al.    | 395   | 846      |                               |
| PB                   | AF | 5,875,352       | 02/23/99 | Gentry et al.      | 395   | 843      |                               |
| PB                   | AG | 6,061,263       | 05/09/00 | Boaz et al.        | 365   | 51       |                               |
| PB                   | AH | 6,073,190       | 06/06/00 | Rooney             | 710   | 56       |                               |
| PB                   | AI | 6,105,075       | 08/15/00 | Ghaffari           | 710   | 5        |                               |
| PB                   | AJ | 6,137,709       | 10/24/00 | Boaz et al.        | 365   | 51       |                               |
| PB                   | AK | 6,144,587       | 11/07/00 | Yoshida            | 365   | 189.05   |                               |
| PB                   | AL | 6,167,465       | 12/26/00 | Parvin et al.      | 710   | 22       |                               |
| PB                   | AM | 6,167,486       | 12/26/00 | Lee et al.         | 711   | 120      |                               |
| PB                   | AN | 6,201,724 B1    | 03/13/01 | Ishizaki et al.    | 365   | 49       |                               |
| PB                   | AO | 6,233,376 B1    | 05/15/01 | Updegrove          | 385   | 14       |                               |
| PB                   | AP | 6,243,769 B1    | 06/05/01 | Rooney             | 710   | 56       |                               |
| PB                   | AQ | 6,285,349 B1    | 09/04/01 | Smith              | 345   | 147      |                               |
| PB                   | AR | 6,301,637 B1    | 10/09/01 | Krull et al.       | 711   | 112      |                               |
| PB                   | AS | 6,327,642 B1    | 12/04/01 | Lee et al.         | 711   | 120      |                               |
| PB                   | AT | 6,330,205 B2    | 12/11/01 | Shimizu et al.     | 365   | 230.06   |                               |
| PB                   | AU | 6,347,055 B1    | 02/12/02 | Motomura           | 365   | 189.05   |                               |
| PB                   | AV | 6,349,363 B2    | 02/19/02 | Cai et al.         | 711   | 129      |                               |
| PB                   | AW | 6,356,573 B1    | 03/12/02 | Jonsson et al.     | 372   | 46       |                               |
| PB                   | AX | 6,367,074 B1    | 04/02/02 | Bates et al.       | 717   | 11       |                               |

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|   |  |  |  | FILING DATE<br><b>June 20, 2003</b>        |  | GROUP ART UNIT<br><b>2818</b>        |  |

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| *EXAMINER<br>INITIAL  | DOCUMENT NUMBER | DATE         | NAME     | CLASS             | SUBCLASS | FILING DATE<br>IF APPROPRIATE |  |
| PB                    | AY              | 6,373,777 B1 | 04/16/02 | Suzuki            | 365      | 230.03                        |  |
| PB                    | AZ              | 6,381,190 B1 | 04/30/02 | Shinkai           | 365      | 230.03                        |  |
| PB                    | BA              | 6,421,744 B1 | 07/16/02 | Morrison et al.   | 710      | 22                            |  |
| PB                    | BB              | 6,434,639 B1 | 08/13/02 | Haghighi          | 710      | 39                            |  |
| PB                    | BC              | 6,463,059 B1 | 10/08/02 | Movshovich et al. | 370      | 389                           |  |
| PB                    | BD              | 6,470,422 B2 | 10/22/02 | Cai et al.        | 711      | 129                           |  |
| PB                    | BE              | 6,473,828 B1 | 10/29/02 | Matsui            | 711      | 104                           |  |
| PB                    | BF              | 6,477,614 B1 | 11/05/02 | Leddige et al.    | 711      | 5                             |  |
| PB                    | BG              | 6,477,621 B1 | 11/05/02 | Lee et al.        | 711      | 120                           |  |
| PB                    | BH              | 6,496,909 B1 | 12/17/02 | Schimmel          | 711      | 163                           |  |
| PB                    | BI              | 6,505,287 B2 | 01/07/03 | Uematsu           | 711      | 170                           |  |
| PB                    | BJ              | 6,539,490 B1 | 03/25/03 | Forbes et al.     | 713      | 401                           |  |
| PB                    | BK              | 6,552,564 B1 | 04/22/03 | Forbes et al.     | 326      | 30                            |  |
| PB                    | BL              | 6,587,912 B2 | 07/01/03 | Leddige et al.    | 711      | 5                             |  |
| PB                    | BM              | 6,594,713 B1 | 07/15/03 | Fuoco et al.      | 710      | 31                            |  |
|                       | BN              |              |          |                   |          |                               |  |

| FOREIGN PATENT DOCUMENTS |      |         |       |          |             |    |  |
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| DOCUMENT NUMBER          | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |  |
|                          |      |         |       |          | YES         | NO |  |
| BO                       |      |         |       |          |             |    |  |

| OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> |   |
|---|---|
| PB  | BP<br>Micron Technology, Inc., "Synchronous DRAM Module 512MB/1GB (x72, ECC) 168-PIN Registered FBGA SDRAM DIMM, Micron Technology, Inc., 2002, pp. 1-23. |
| BQ  |   |

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501193.01

APPLICATION NO.

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

APPLICANT(S)

Terry R. Lee and Joseph Jeddeloh

FILING DATE

June 20, 2003

GROUP ART UNIT

**U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE     | NAME           | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|----|-----------------|----------|----------------|-------|----------|-------------------------------|
| PB                   | AA | 2002/0112119    | 08/15/02 | Halbert et al. | —     | —        | 03/13/02                      |
|                      | AB |                 |          |                |       |          |                               |
|                      | AC |                 |          |                |       |          |                               |
|                      | AD |                 |          |                |       |          |                               |
|                      | AE |                 |          |                |       |          |                               |
|                      | AF |                 |          |                |       |          |                               |
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|                      | AH |                 |          |                |       |          |                               |
|                      | AI |                 |          |                |       |          |                               |
|                      | AJ |                 |          |                |       |          |                               |

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|  |    |                 |      |         |       |          | YES         | NO |
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|  | AL |                 |      |         |       |          |             |    |
|  | AM |                 |      |         |       |          |             |    |
|  | AN |                 |      |         |       |          |             |    |
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